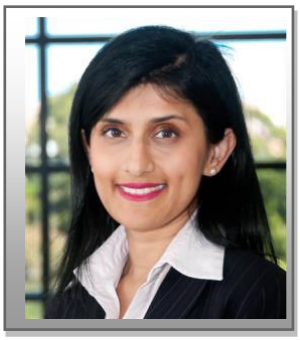
CURRICULUM VITAE - Summary



Dr Payal Mukherjee

Clinical Associate Professor – Macquarie University

Clinical Associate Professor – Sydney University

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QUALIFICATIONS:

2001	Undergraduate	MBBS – University of NSW
2009	Fellowship	FRACS (Fellow of the Royal Australasian College of Surgeons: Otolaryngology and Head and Neck Surgery)
2010	Higher Degree	MS (Masters of Surgery by Research – University of Sydney)
2020	PhD	University of Sydney

CURRENT APPOINTMENTS:

Clinical

Appointments	VMO	Macquarie Hospital, Chris O Brien Lifehouse, RPA Hospital, Sydney Adventist Hospital,

Academic

2015	RPA Institute of Academic Surgery	Surgical Innovation lead - RPA Hospital

Leadership/Professional

2022- Current	Committee Member	TGA – Advisory Committee for Medical Devices
2022-Current	Committee Member	NSW Ministry of Health: Medical Devices Fund, OHMR
2020-Current	Committee Member	NSW Ministry of health: Surgical Services Task Force, Agency for Clinical Innovation
2018-Current	Executive Committee	RACS NSW State Committee
2020-Current	Committee Member	Research and Evaluation, ASERNIPS (RACS)
2020-Current	Executive	Section of Academic Surgery, RACS
2021-Current	Head of Department	Sydney Adventist Hospital
Recent Roles		
2020-2022	Chair	RACS NSW State Committee
2020-2022	Deputy Chair	Collaborative Hospital Audit of Surgical Mortality
2018-2021	Advisory role	NSW health: Expert Advisory Group into 3D printing
2019-2020	Advisory role	Australian commission of safety and quality in Health Care: 4th Atlas of ENT variance

RESEARCH CONTRIBUTION:

Key Themes and Collaborations

1. Key Diseases: Ear Bionics, Cochlear Implants, Meniere's Disease, Microtia
2. Key Collaborations: Dr Chris Pastras, A.Prof Mohsen Asadnia, Prof Gordon Wallace (Bioprinting), Dr Johnson Chung, Prof Jonathan Clark (3D Printing), Prof Hamish Macdougall

Awards

1. Leadership as a Woman in Surgery: RACS NSW 2022
2. Michael Donnellan Award : Exceptional Leadership in crisis: RACS NSW 2022
3. Finalist: Eureka Prize for Interdisciplinary research - Australian Museum Science Awards 2022
4. Finalist: NSW Premier's Award for Woman of the year 2019
5. Finalist – Indian Australia Professional of the year 2018

Career Publication History (2 years post PhD): 46 Journal Articles, 1 Book Chapter, 1 Thesis, 432 citations (google scholar), H-Index-12, i-Index 15, 41 Keynote/Invited talks, 25 Oral Presentations (Abstract submission), 7 Posters, 42 Convenor or Chair of academic meetings.

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Peer Review: Editorial Board AJO, Guest Editor - Frontiers Surgery (Impact factor 2.5) and Frontiers Oncology (Impact Factor 6.54), Guest reviewer – 7 Journals

Grants: >11M in peer reviewed grants plus >1M Institutional support

2022: Chief Investigator: MRFF Stem Cell Mission grant

2022: Chris O'Brien Lifehouse Cancer research award: – Virtual Planning using Virtual Reality

2022: NSW Health and Medical Research Sponsorship Program

2021: Chief Investigator: Garnett Passe and Rodney Williams Memorial Foundation and Sydney LHD: Beyond Science ENT: Statewide Surgeon Innovators program.

2021: Chief Investigator: MTP Connect: REDI fellowship Industry exchange

2020: Associate Investigator: MRFF Stem Cell Therapies 2020: Optimising a preclinical model for bioprinting skin aimed at repairing skin loss in patients.

2020: Chief Investigator: Grace Kathleen Bequest Research Grant: Meniere's Disease

2019: Chief Investigator: DFAT: Australia-India Council: 3D printing, Bioprinting and AI for microtia

2019: Chief Investigator: Sydney Medical School: Herpes Viral titres in Meniere's patients

2017-2020: **Associate Investigator:** GPRWMF Conjoint Grant: Measuring Vestibular Sensitivity

2016-2018: Chief Investigator: GPRWMF Conjoint Grant: Innovative 3D printing and tissue engineering (stem cell) technology to develop innovative solutions to problems in Otolaryngology.

2015: Sydney Local Health District award – "The Pitch" – Medicine in 3D.

2015 Chief Investigator: GPRWF: Conjoint Grant: Morphological changes in vestibular tissue in Meniere's disease and Vestibular Schwannoma patients

2014: Chief Investigator: GPRWF: Conjoint Grant: Outcome of Cochlear Implantation in Meniere's

2013: **Associate Investigator:** NHMRC grant – Balance dysfunction in Vestibular Schwannoma

2010: **Chief Investigator:** GPRWF: temporal bone study- Safety of straight research array

2001: St. Vincent's Hospital Clinic Foundation Research Grant

Top 5 Publications CI Mukherjee is a translational researcher. The following papers show her interdisciplinary collaborations and expertise ranging from policy to basic science research (both animal and temporal bone)

1. **Policy:** Mukherjee P, Khadra M, Merrett N, Rawtron E, Richardson A, Sutherland K, Levesque Jean-Frederic. Value Based Care in Surgery – Implications in Crisis and Beyond. ANZ Journal of Surgery. 10.1111/ans.17501 *(Led to state-wide webinars between RACS NSW and ACI NSW to improve efficiency and cost of surgery*)
2. **Regulatory:** Mukherjee P, Clark J, Wallace G, Cheng K, Solomon M, Richardson A, Maddern G. Discussion paper on proposed new regulatory changes on 3D technology: A Surgical Perspective. ANZ Journal of Surgery. 2019; 89: 117-121 *(Led to formation of Expert Advisory group on 3D printing by NSW Health)*
3. **Health Economics:** Mazzola F, Smithers F, Cheng K, Mukherjee P et al. Time And Cost-Analysis Of Virtual SurgicalPlanning For Head And Neck Reconstruction: A Matched pair Analysis. Oral Oncol.2020 Jan;100:104491 *(FWCI 4.81 from the highest impact head and neckcancer journal)*
4. **Animal Research:** Mukherjee P, Chung J, Cheng K, Gupta R, Haag H, Williams Z, Wallace G. Invitro and invivo study of PCL-Hydrogel scaffold: degradation pattern and biological response. Journal of Craniofacial Surgery. 2021, 32(5):1931-36 *(1st published sheep animal model in microtia research)*
5. **Temporal Bone:** Mukherjee P, Cheng K, Grieve S, Chung J, Solomon M, Wallace G. Precision medicine in ossiculoplasty surgery. Otology & Neurotology**.** 2021; 42(2): e177-e185 *(Key prior work for this proposal)*

TEACHING CONTRIBUTION:

Student Supervision

Degree	PhD	Masters	MD	Mphil	Honours	Engineering
Completed		1	6		2	9
Current	2			5	1	2